

Industrial Design Registration for Artificial Intelligence 人工智能的相關工業設計註冊

Artificial Intelligence and Industrial Design

Artificial Intelligence (AI) refers to the field of computer science that focuses on developing intelligent systems that capable of performing tasks typically require human intelligence. AI technologies have found their application in almost every business sector improving enterprise performance and productivity by automating processes or tasks such as data entry, customer services, processing large amount of data, etc.

Meanwhile, industrial design is a form of intellectual property that protects the aesthetics of a product. It may be two-dimensional or three-dimensional products which include handicrafts, jewellery, appliances, vehicles, and graphical user interfaces (GUIs).

As such, user interfaces, icons, or avatars used in artificial intelligence programs can be registered under industrial design protection, them having the two-dimensional property and showing the visual appeal of the product.

Jurisdictions

Different countries have differing rules and regulations to registering GUIs. Some of which are, as follows:

US: The two-dimensional computer-generated icon can be registered as design patent if they are shown in a hardware configuration such as a monitor. Animated and dynamic GUIs are registrable.

China: GUIs can be filed without the hardware configuration. It is only required that the name of the product or hardware be indicated in the title of the application.

Australia: GUIs are not registrable without the hardware configuration.

EU: GUIs are protected under the Community Design Regulation.

Japan: GUIs are registrable without the hardware configuration.

If you have specific countries that you are interested in filing a design protection for your GUI, please let us know.

人工智能與外觀設計

人工智能 (AI) 是指電腦科學領域中，專注於開發能夠執行通常需要人類智能完成的任務的智能系統。人工智能技術已在幾乎每個業務領域得到應用，透過自動化資料輸入、客戶服務、處理大量資料等流程或任務來提高企業績效和生產力。

同時，工業設計是一種保護產品美觀的知識產權形式。它可以是平面或立體產品，包括手工藝品、珠寶、電器、車輛和圖形使用者介面 (GUI)。

因此，人工智能程式中使用的使用者介面、圖標或頭像可以在工業外觀設計保護下註冊，它們具有平面屬性並展示產品的視覺吸引力。

註冊地區

不同國家對於註冊 GUI 有不同的規則和規定。其中一些如下：

美國：電腦產生的二維圖示如果顯示在顯示器等硬件配置中，可以註冊為外觀設計專利。動畫和動態 GUI 也可註冊。

中國：GUI 無需硬件配置即可申請註冊，只需在申請標題中註明產品或硬件的名稱即可。

澳洲：如果沒有硬件配置，則無法註冊 GUI。

歐盟：GUI 受共同件外觀設計法規的保護。

日本：GUI 無需硬件配置即可註冊。

如果您有興趣為您的 GUI 申請外觀設計保護，歡迎聯絡我們。

Locarno Classification

GUIs fall under Locarno classification 14-04: Screen Displays & Icons

Examples

1. Neusoft Corporation (Publication No.: CN308499485S)



2. Hyundai Motor Company / Kia Motors Corp (Publication No.: CN306729519S)



洛迦諾分類

GUI 屬於洛迦諾分類 14-04: 螢幕顯示與圖像

示例

1. 東軟集團 (公佈編號: CN308499485S)



2. 現代汽車/起亞汽車(公佈編號: CN306729519S)



Jurisdiction 司法區	First Design 首項設計 (RM)	Per Additional Design 每多一項設計 (RM)	Processing Time 註冊需時 (months 月)	Maximum Validity 最長有效期 (years 年)	Renewal Frequency 續期要求
Hong Kong 香港	620	590	1-3	25	Every 5 years 每 5 年續期 1 次
China 中國	2,780	1,240	6	15	Annually 每年續期 1 次
Singapore 新加坡	1,860	1,550	1-2	15	Every 5 years 每 5 年續期 1 次
Philippines 菲律賓	3,030	NA 不適用	6	15	Every 5 years 每 5 年續期 1 次
European Union (EU) 歐盟	5,430	1,730	1-2	25	Every 5 years 每 5 年續期 1 次
United Kingdom (UK) 英國	4,010	1,550	1-2	25	Every 5 years 每 5 年續期 1 次
Special Offer 特別優惠					
EU + UK 歐盟+英國	7,590	2,470	1-2	25	Every 5 years 每 5 年續期 1 次
USA (Small Entity) 美國 (小實體)	9,690 Excluding preparing drawings	NA 不適用	18-24	15	Not required 無需續期
South Korea 南韓	4,820	NA 不適用	6	20	Annually 每年續期 1 次
Japan 日本	6,480	NA 不適用	6	20	Annually 每年續期 1 次

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For more information, please contact our patent consultant. 如有查詢，請即聯絡我們的專利顧問。